

# HISTORY OF SCIENCE, MEDICINE, AND TECHNOLOGY, BACHELOR OF ARTS

## History of Science, Medicine, and Technology Major Requirements

(Also see Requirements for a Bachelor's Degree. (<https://e-catalogue.jhu.edu/ksas-wse/undergraduate-policies/academic-policies/requirements-bachelors-degree/>))

Offered in cooperation with the Institute of the History of Medicine, this major allows students to combine substantive work in science with study of the social and historical context of modern science, medicine, and technology. The aim of the program is to produce graduates who are scientifically literate and technically competent, and who at the same time understand science and medicine not as static, autonomous enterprises but rather as modes of thought that have developed in specific social contexts.

The major is appropriate for any student planning a career in medicine or other areas of the health care industry. It is also flexible enough to serve as a basis for a variety of careers where an informed knowledge of science and technology and their impact on society is important. Such careers include broad areas of business and industry, journalism, teaching, museum work, and specialized areas of law and public policy.

- Sciences: Students are required to have a total of 30 credits in science, engineering, and mathematics courses (with area designator coding of E, N, or Q) of which at least nine credits must be above the 100-level. Laboratory courses in science count toward this requirement. Calculus I is strongly recommended.
- History of Science, Medicine and Technology: A total of 24 credits of course work in the history of science, medicine and technology are required. These must include at least two survey courses and four additional courses above the 100-level.
- Students in their senior year may take graduate courses with permission.
- A minimum grade of C- is necessary in all courses applied toward the requirements of the major and requirements may not be taken satisfactory/unsatisfactory. Courses taken at another institution that are not directly equivalent to a JHU course may not apply towards these requirements without permission of the Director of Undergraduate Studies. Each course must be at least 3 credits.

Code	Title	Credits
<b>Survey Courses</b> <sup>1</sup>		
Select two of the following:		6
AS.140.105	History of Medicine	
AS.140.106	History of Modern Medicine	
AS.140.301	History of Science: Antiquity To Renaissance	
AS.140.302	Rise Of Modern Science	
AS.140.321	Scientific Revolution	

### Additional History of Science, Medicine & Technology Courses

<sup>2</sup>

Two history of science, medicine & technology courses at any level	6
Four 200-400 level history of science, medicine & technology courses	12

### Science, Math, or Engineering Courses (N, Q, or E)

Nine credits of 200-level or higher N, Q, or E courses	9
Twenty-one credits of N, Q, or E courses at any level	21
<b>Total Credits</b>	<b>54</b>

<sup>1</sup> Other courses might serve to fulfill the survey course requirement with permission of the director of undergraduate studies.

<sup>2</sup> Courses that apply must be offered by the department (AS.140.xxx). Additionally, the courses AS.140.411 Senior Research Seminar and AS.140.412 Research Seminar may not be used towards this requirement

## Sample Program of Study

A typical program might include the following sequence of courses:

First Year			
First Semester	Credits	Second Semester	Credits
AS.140.1xx Freshman Seminar or other AS.140.xxx elective	3	AS.140.1xx Freshman Seminar or other AS.140.xxx elective	3
Any level N,Q,E course	3	Any level N,Q,E course	3
		Any level N,Q,E course	3
		<b>6</b>	<b>9</b>

Second Year			
First Semester	Credits	Second Semester	Credits
Survey course like AS.140.105 or AS.140.321	3	Survey course like AS.140.106 or AS.140.302	3
200 level or above N,Q,E course	3	200 level or above N,Q,E course	3
		200 level or above N,Q,E course	3
		<b>6</b>	<b>9</b>

Third Year			
First Semester	Credits	Second Semester	Credits
AS.140.xxx HSMT elective above 100 level	3	AS.140.xxx HSMT elective above 100 level	3
AS.140.xxx HSMT elective above 100 level	3	Any level N,Q,E course	3
Any level N,Q,E course	3	Any level N,Q,E course	3
		<b>9</b>	<b>9</b>

Fourth Year			
First Semester	Credits	Second Semester	Credits
AS.140.411 (Optional)	3	AS.140.412 (Optional)	2
AS.140.xxx HSMT elective above 100 level	3	Any level N,Q,E course	3
		<b>6</b>	<b>5</b>

**Total Credits 59**

## Honors in the Major

Students who demonstrate excellence in course work are eligible to write an honors thesis (AS.140.411 (<http://e-catalog.jhu.edu/search/?P=AS.140.411>) Senior Research Seminar and AS.140.412 (<http://e-catalog.jhu.edu/search/?P=AS.140.412>) Research Seminar) in their final year for additional credits. Students must have outstanding recommendations from two department members to be eligible for the thesis. Departmental honors are conferred if a student has a GPA of 3.5

or better in major requirements and receives a grade of A- or better on the thesis.